CPP 程式設計題

命題者:ZZY						
題目名稱(中文/英文):Design Month Class						
主要測試觀念:						
	Basics		Functions			
	C++ BASICS 1		SEPARATE COMPILATION AND NAMESPACES			
	FLOW OF CONTROL		STREAMS AND FILE I/O			
	FUNCTION BASICS		RECURSION			
	PARAMETERS AND OVERLOADING		INHERITANCE			
	ARRAYS		POLYMORPHISM AND VIRTUAL FUNCTIONS			
	STRUCTURES AND CLASSES		TEMPLATES			
	CONSTRUCTORS AND OTHER TOOLS		LINKED DATA STRUCTURES			
	OPERATOR OVERLOADING, FRIENDS, AND REFERENCES		EXCEPTION HANDLING			
	STRINGS		STANDARD TEMPLATE LIBRARY			
	DOINTEDS AND DVMAMIC ADDAYS		DATTEDNO AND UMI			

題目說明:Define a class called Month that is an abstract data type for a month. Your class will have one member variable of type int to represent a month (1 for January, 2 for February, and so forth). Include all the following member functions: a constructor to set the month using the first three letters in the name of the month as three arguments, a constructor to set the month using an integer as an argument (1 for January, 2 for February, and so forth), a default constructor, an input function name inputInt that reads the month as an integer, an input function name **inputStr** that reads the month as the first three letters in the name of the month, an output function name outputInt that output the month as an integer, an output function name outputStr that outputs the month as the first three letters in the name of the month, and a member function name nextMonth that returns the next month as a value of type Month. Embed your class definition in a test program.

Note that if month out of range, set the month to January.

輸入說明: Replace the main from input-main.cpp and enter the test data in input.txt。

輸出說明: See the Sample Output。

IO 範例:

	Sample Input	Sample Output
		Month1 = 1 Jan
	innut-main1 con	Month2 = 2 Feb
第一組測資與輸	input-main1.cpp	Month3 = 3 Mar
出	input1.txt	Month4 = 4 Apr
		Month5 = 5 May
		Month6 = 6 Jun

第二組	input-main2.cpp input2.txt	Month1 = 1 Jan Month2 = 2 Feb Month3 = 1 Jan Month4 = 3 Mar Month5 = 1 Jan Month6 = 12 Dec Month7 = 10 Oct Month8 = 1 Jan Month8 = 2 Feb Month8 = 3 Mar Month8 = 4 Apr Month8 = 5 May Month8 = 6 Jun Month8 = 7 Jul Month8 = 8 Aug Month8 = 9 Sep Month8 = 10 Oct Month8 = 11 Nov Month8 = 12 Dec Month8 = 1 Jan				
附屬資料:						
☑解答程式:DesignMonthClass.cpp(檔名)						
☑測試資料: input-main1.cpp, input1.txt, output1.txt, input-						
main2.cpp, input2.txt, output2.txt						
■ 易,僅需用到基礎程式設計語法與結構						
□中,需用到多項程式設計語法與結構						
□難,需用到多項程式結構或較為複雜之資料型態或結構						
解題時間:30 分鐘。						
其他註記:						